

## ABSTRACT

### **COLLAR RIBS FOR HEAT EXCHANGER TANKS**

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The present invention relates to the field of automotive heat exchangers, and, in particular, to heat exchanger tanks with headers. This invention eliminates the need for use of an inner flange on the header using a collar that also acts as a rib, thereby providing a compact foot plus header tank arrangement with lower stress on the gasket mating surface of the header and tank. The present invention also provides a method for providing improved headering means for automotive heat exchangers with plastic tanks and headers.

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